

***LineUp With Math™* Alignment to  
Mathematics Grade-Level Standards  
Adopted April 2002**

**Algebraic Relationships**

**CCG: *Change:***

Analyze change in various contexts.

**Grade-Level Standards**

M.05.3.D.1(1) Identify and describe situations with constant or varying rates of change and compare them.

***LineUp With Math™* Activities**

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

**Mathematical Problem Solving**

**CCG: *Conceptual Understanding:***

Select, apply, and translate among mathematical representations to solve problems.

**Grade-Level Standards**

M.05.6.A.1(1) Interpret the concepts of a problem-solving task and translate them into mathematics.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

**CCG: *Processes and Strategies:***

Apply and adapt a variety of appropriate strategies to solve problems.

**Grade-Level Standards**

M.05.6.B.1(1) Choose strategies that can work and then carry out the strategies chosen.

***LineUp With Math™* Activities**

--Choose and apply a variety of strategies to optimize the solution of air traffic control conflicts.

**CCG: *Communication:***

Communicate mathematical thinking coherently and clearly. Use the language of mathematics to express mathematical ideas precisely.

**Grade-Level Standards**

M.05.6.D.1(1) Use pictures, symbols, and/or vocabulary to convey the path to the identified solution.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

**CCG: *Accuracy:***

Accurately solve problems that arise in mathematics and other contexts.

**Grade-Level Standards**

M.05.6.E.1(1) Accurately solve problems using mathematics.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.